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Total Number of Pages in This Submission

Application Number	10/765,388
Filing Date	01/27/2004
First Named Inventor	FLETCHER, Christopher L.
Art Unit	2814
Examiner Name	PHAM, Long
Attorney Docket Number	03W085

ENCLOSURES (Check all that apply)

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<input type="checkbox"/> <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	Title: PIN Detector Apparatus and Method of Fabrication	

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Raytheon Company		
Signature			
Printed name	John E. Gunther		
Date	5/2/05	Reg. No.	43,649

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PD 03W085

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Christopher Lee Fletcher

Serial No.10/765,388

Filed: 1/27/2004

For: PIN DETECTOR APPARATUS AND
METHOD OF FABRICATION

:

Group Art Unit 2814

Examiner: Pham, Long

Date: May 2, 2005

RESPONSE TO RESTRICTION REQUIREMENT

Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The official communication mailed April 4, 2005, required restriction of the captioned application to either (I) claims 14-22, drawn to a semiconductor process, or (II) claims 1-13, drawn to a semiconductor device. Applicant provisionally elects group (I), claims 14-22, with traverse.

Claims 1-13 and claims 14-22 are related as a product and method for making said product. Claim 1 reads as follows:

1. A PIN device comprising:
 - a wafer portion;
 - electrical circuitry disposed on a first surface of the wafer portion; and
 - a bonding portion disposed on a second surface of the wafer portion,
 - wherein the wafer portion and the bonding portion are portions of a substrate, the substrate formed by impregnating an oxide material and the bonding portion between the wafer portion and a handle portion, and the entire handle portion and the oxide material being removed to expose at least part of the bonding portion.

Claim 14 reads as follows:

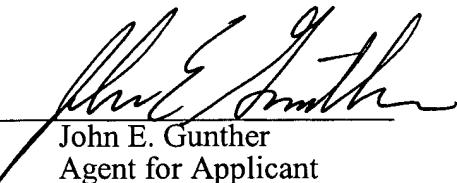
14. A method for fabricating a PIN device comprising:
forming electrical circuitry on a wafer portion of a substrate, the substrate
having a handle portion, an oxide material portion, a bonding material portion and
the wafer portion;
removing the entire handle portion;
removing the oxide material portion thereby exposing at least a part of the
bonding material portion.

The examiner's rationale for requiring restriction was that "the product as claimed can be made by another and material different process such as one in which the handle portion is not formed so that the removing of the entire handle portion is not needed." However, claim 1, as written, defines that the wafer portion is a portion of a substrate comprised of several portions, including a handle portion and an oxide portion, both of which have been removed. Applicant submits that the device of claim 1 cannot be made by the alternate process suggested by the examiner, since the handle portion described in claim 1 would not be present in the process suggested by the examiner.

Applicant respectfully requests that the restriction requirement be withdrawn.

Respectfully submitted,
Christopher Lee Fletcher, et al.

By _____


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